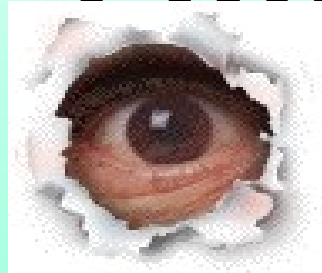


FORT MCCOY SAFETY INDUSTRIAL OPERATIONS PROGRAM



Eye Safety

Mar 02

Eye and Face Protection

- Typical eye injury accidents
 - Objects striking the eye
 - Contact with chemical and hazardous materials
 - Struck by swinging objects (chains)
 - Viewing radiant energy sources (welding operations or lasers)

Eye and Face Protection

- Potential Hazards
 - Dusts, Powders, Fumes, Mist (Grinding, chiseling, sanding, spraying operations)
 - Toxic gasses, vapors, and liquids
 - Flying objects and particles (Grinding, chiseling, sanding, hammering operations)
 - Large objects
 - Swinging chains, cables and ropes
 - Tools that are thrown or fall
 - Any sharp object (scissors, knives)
 - Walking or falling into obstructions

Eye and Face Protection (con't)

- Potential Hazards
 - Molten metals
 - Electrical hazards (arcs and sparks)
 - Thermal and radiation hazards (welding)
 - Lasers

Protective Measures

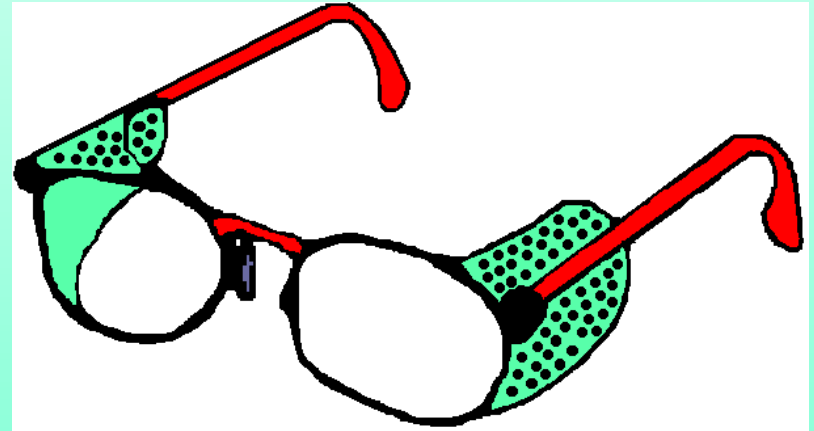
- Machine Guards (lathes, grinders, sanders)
- Work area barriers (screens)
- Ventilation
- Lighting
- Signs and Warnings
- Eyewash stations (within 100 ft or 10 second rule) flush eye with water for **15 minutes** - hold eye open with fingers and look INTO the water stream - DO NOT RUB eye. After flushing seek medical attention

Protective Measures

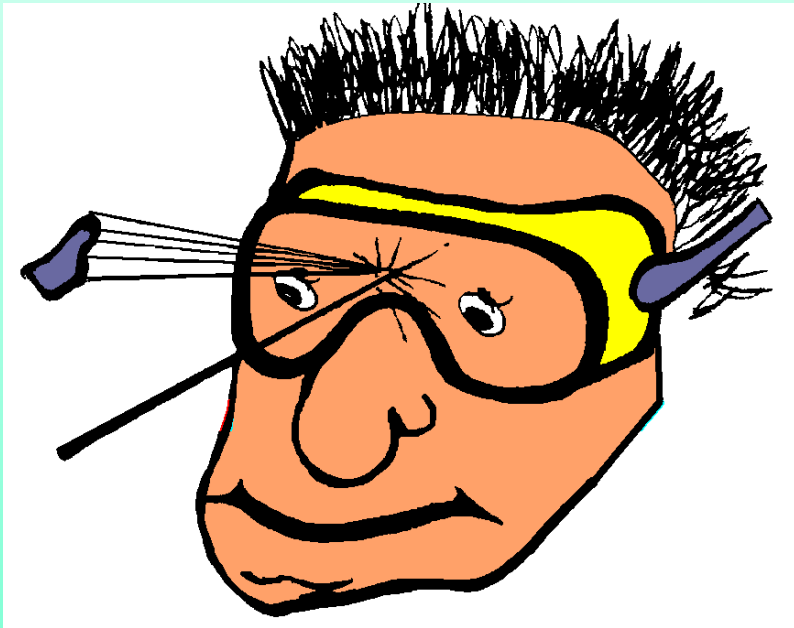
- Safe Work Practices -
 - Read and follow all warnings and precautions
 - Do not throw tools or participate in horseplay
 - Keep sharp or pointed tools away from eyes

Personal Protective Equipment

- Safety Glasses
 - Most widely used
 - Stronger than regular
 - Sideshields
 - Prescription and non prescription available
 - Lens coating
 - Z-87 approved



Personal Protective Equipment



- Goggles
 - More protection than safety glasses - especially from flying particles
 - Splash goggles - whenever liquids are involved

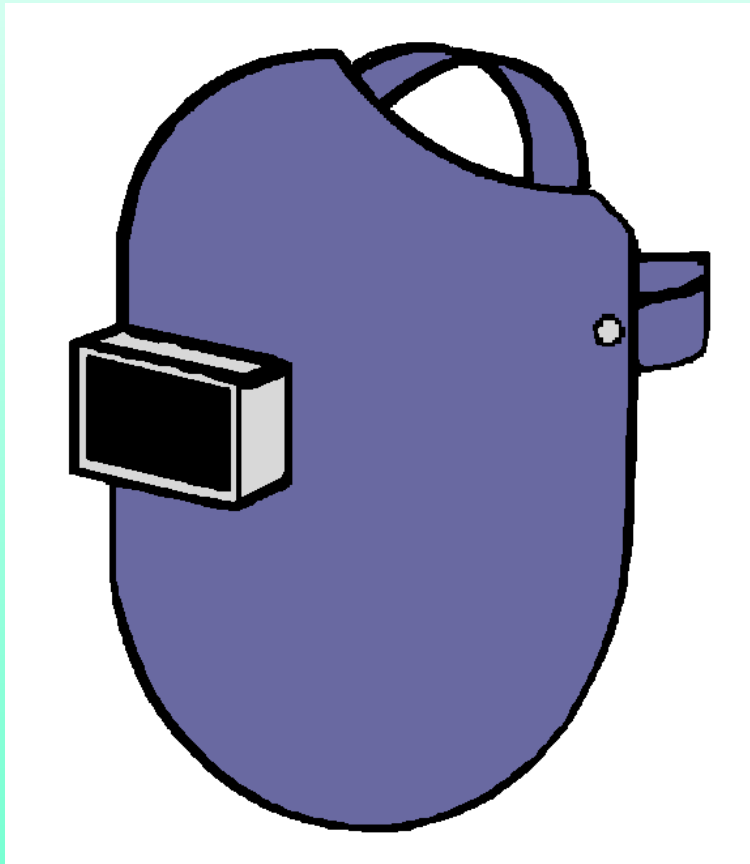
Personal Protective Equipment

- Face Shields
 - Full face protection
 - Operations like molten metal, chemical splashed or fine particles
 - Can be used with hard hat

NOTE: Wear safety glasses with face shield



Personal Protective Equipment



- Welding Helmets
 - Provide face and eye protection
 - Absorptive lenses filter intense light
 - Should be used with safety glasses

Care of Eye Protection Equipment

- Clean with mild soap and water or special wipes designed for protective eye equipment
- **Never** use abrasive soaps, rough paper or cloth towels
- Always keep in good working condition - if damaged - repair or replace
- Store in sanitary, cool, dry area away from moisture

When in Doubt - Cover Your Eyes!



With Proper Eye Protection